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Subpopulation Command Resource Document

This resource document will help you use subsetting commands in SAS and Stata to properly analyze postsecondary education datasets.

Survey data analysis software	BPS:04/09 study respondents; NPSAS:04 and BPS:04/09 study respondents	Study respondents to all three of NPSAS:04, BPS:04/06, and BPS:04/09	Students with at least one transcript at BPS:04/09
Analysis weight for estimates	WTA000	WTB000	WTC000
Taylor series variance estimation (with replacement)			
Variance estimation strata and PSU variables	BPS09STR and BPS09PSU	BPS09STR and BPS09PSU	BPS09STR and BPS09PSU
Software: statements, parameters, and keywords for Taylor series variance estimation (with replacement)			
SUDAAN	DESIGN = WR WEIGHT WTA000; NEST BPS09STR BPS09PSU;	DESIGN = WR WEIGHT WTB000; NEST BPS09STR BPS09PSU;	DESIGN = WR WEIGHT WTC000; NEST BPS09STR BPS09PSU;
Stata	svyset BPS09PSU [pweight = WTA000], strata (BPS09STR) vce(LINEARIZED)	svyset BPS09PSU [pweight = WTB000], strata (BPS09STR) vce(LINEARIZED)	svyset BPS09PSU; [pweight = WTC000], strata (BPS09STR) vce(LINEARIZED)
SAS survey analysis procedures	VARMETHOD = JACKKNIFE WEIGHT WTA000; STRATA BPS09STR; CLUSTER BPS09PSU;	VARMETHOD = JACKKNIFE WEIGHT WTB000; STRATA BPS09STR; CLUSTER BPS09PSU;	VARMETHOD = JACKKNIFE WEIGHT WTC000; STRATA BPS09STR; CLUSTER BPS09PSU;
IBM SPSS complex samples	Method: WR Weight: WTA000 Strata: BPS09STR PSU: BPS09PSU	Method: WR Weight: WTB000 Strata: BPS09STR PSU: BPS09PSU	Method: WR Weight: WTC000 Strata: BPS09STR PSU: BPS09PSU
Taylor series variance estimation (without replacement)			
Variance estimation strata, PSU, SSU, and count variables	FB09STR, FB09PSU, FB09SSU, and B9PSUCNT	FB09STR, FB09PSU, FB09SSU, and B9PSUCNT	FB09STR, FB09PSU, FB09SSU, and B9PSUCNT
Software: statements, parameters, and keywords for Taylor series variance estimation (without replacement)			
SUDAAN	DESIGN = WOR WEIGHT WTA000; NEST FB09STR FB09PSU FB09SSU; TOTCNT B9PSUCNT _minus1_ _zero_;	DESIGN = WOR WEIGHT WTB000; NEST FB09STR FB09PSU FB09SSU; TOTCNT B9PSUCNT _minus1_ _zero_;	DESIGN = WOR WEIGHT WTC000; NEST FB09STR FB09PSU FB09SSU; TOTCNT B9PSUCNT _minus1_ _zero_;
Stata	svyset FB09PSU [pw=WTA000], strata(FB09STR) fpc(PSUCOUNT) FB09SSU, vce(LINEARIZED)	svyset FB09PSU [pw=WTB000], strata(FB09STR) fpc(PSUCOUNT) FB09SSU, vce(LINEARIZED)	svyset FB09PSU [pw=WTC000], strata(FB09STR) fpc(PSUCOUNT) FB09SSU, vce(LINEARIZED)
Bootstrap variance estimation			
Replicate weight variables	WTA001 – WTA200	WTB001 – WTB200	WTC001 – WTC200
Software: statements, parameters, and keywords for BRR variance estimation			
SUDAAN	DESIGN = BRR WEIGHT WTA000; REPWGT WTA001 – WTA200;	DESIGN = BRR WEIGHT WTB000; REPWGT WTB001 – WTB200;	DESIGN = BRR WEIGHT WTC000; REPWGT WTC001 – WTC200;

See notes at end of table.

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Survey data analysis software	BPS:04/09 study respondents; NPSAS:04 and BPS:04/09 study respondents	Study respondents to all three of NPSAS:04, BPS:04/06, and BPS:04/09	Students with at least one transcript at BPS:04/09
Stata	svyset [pweight=WTA000], brweight(WTA001 - WTA200) vce(BRR)	svyset [pweight=WTB000], brweight(WTB001 - WTB200) vce(BRR)	svyset [pweight=WTC000], brweight(WTC001 - WTC200) vce(BRR)
SAS survey data analysis procedures	VARMETHOD = BRR WEIGHT WTA000; REPWEIGHTS WTA001 – WTA200;	VARMETHOD = BRR WEIGHT WTB000; REPWEIGHTS WTB001 – WTB200;	VARMETHOD = BRR WEIGHT WTC000; REPWEIGHTS WTC001 – WTC200;
WesVar	Method: BRR Full sample weight: WTA000 Replicates: WTA001 – WTA200	Method: BRR Full sample weight: WTB000 Replicates: WTB001 – WTB200	Method: BRR Full sample weight: WTC000 Replicates: WTC001 – WTC200

Note: The survey data analysis software specifications are given for the following versions of the software packages: SUDAAN 10.0.1, Stata 12, SAS 9.2, IBM SPSS complex samples 20, and WesVar 4.3.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).